

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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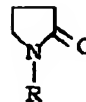
APPLICATION DATE : 29-05-98  
APPLICATION NUMBER : 10166167

APPLICANT : LION CORP;

INVENTOR : NISHIDA YUICHI;

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TITLE : HAIR DYE COMPOSITION



**ABSTRACT :** **PROBLEM TO BE SOLVED:** To obtain a hair dye composition which has excellent hair dyeing property, shows no migration and gives rich touch.

**SOLUTION:** This acidic or natural pigment-containing hair dye composition is a hair dye characterized by comprising the following component (A) and/or component (B): (A) at least one kind selected from aldose, aldonic acid and its salt; and (B) an N-alkylpyrrolidone represented by the general formula: (R is an alkyl group consisting of straight or branched chain having a carbon number of 1-4).

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